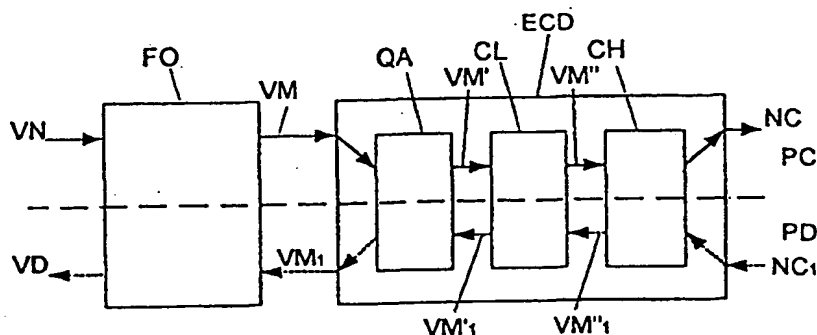


## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : H04N 7/26, 7/50, 7/36		A3	(11) International Publication Number: WO 00/13420
			(43) International Publication Date: 9 March 2000 (09.03.00)
(21) International Application Number: PCT/EP99/06288		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: 26 August 1999 (26.08.99)		Published With international search report.	
(30) Priority Data: 98/10837 28 August 1998 (28.08.98) FR 98/16679 30 December 1998 (30.12.98) FR		(88) Date of publication of the international search report: 15 June 2000 (15.06.00)	
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(54) Title: COMPRESSION AND DECOMPRESSION SYSTEM FOR DIGITAL VIDEO SIGNALS



## (57) Abstract

For the compression, preferably between a preliminary encoding, such as an encoding by a wavelet filter (11) and a compression in a compression-decompression assembly (13), as used in the system MPEG, there is a displacement encoding GVPP stage (12A) which generates, at the beginning of each sequence a frame of the video signal received and then, for each pixel, correction digital signals indicating a displacement for this pixel, with the quantified amplitude and oriented direction of the displacement, or a non-displacement, until global modification of the pixels marking the beginning of a new sequence and, for the decompression, preferably between a decompression in a compression-decompression assembly (13), of the type mentioned above, and a final decoding, such as performed in a reverse-operating wavelet filter (11), a displacement decoding assembly (12B), which, from a signal compressed by the compression mentioned above, transmits the frames of the beginning of each sequence and then replaces in position the pixels whose displacement is indicated by correction signals, while leaving in position the other pixels.